

## PUBLIC HEALTH – SEATTLE & KING COUNTY LABORATORY

### DIRECTORY OF SERVICES

January 1, 2006

The primary objective of the Public Health – Seattle & King County Laboratory is to assist in the prevention of disease spread. This is accomplished by identifying patients and environmental samples which carry organisms that are potentially harmful to the health of the residents of King County. One of the ways to achieve this objective is for the public health laboratory to make available certain services to health care providers.

#### FEES AND BILLING

The following fee and billing information only applies to services provided to non-Public Health – Seattle & King County health care providers.

A fee which covers the cost of providing service is imposed for some procedures; other procedures are provided at no charge to health care providers located in King County.

There is no fee for specimens submitted in compliance with WAC regulations (see below).

We are not authorized to bill individual patients. Statements will be sent each month to the health care providers who have submitted specimens. Health care providers can avoid billing by having their patient submit a check for payment of test at the time the specimen is submitted.

We will bill DSHS if a Medicaid coupon or a Medicaid Patient Identification Code (PIC) number, health care provider's name, and diagnosis code accompanies the patient's specimen. We will also bill private insurance, other than Regence Blue Shield, if the required billing information accompanies the patient's specimen. We are not authorized to bill Medicare and Regence Blue Shield; hence specimens submitted for patients with Medicare and Regence Blue Shield will be billed to the health care providers.

#### CONFIRMATORY TESTING

The public health laboratory accepts the following from laboratories in King County for confirmation and further testing: serum specimens found to be reactive in a screening test for syphilis or positive for measles IgM antibody; specimens on suspect cases of botulism or rabies; specimens found to be positive for cyclospora; and cultures or other appropriate clinical material found to be positive or suspicious for brucella, cholera, diphtheria, disease of suspected bioterrorism origin, enterohemorrhagic *Escherichia coli*, meningococcal disease, plague, salmonella, shigella, or tularemia. Tuberculosis cultures are sent directly to the State Public Health Laboratory for confirmation. Such specimens must be submitted by laboratories in King County in order to comply with Washington State Board of Health regulations (WAC 246-101-201).

The public health laboratory strongly encourages all laboratories located in King County to submit their *Neisseria gonorrhoeae* isolates for confirmation. Submission of *N. gonorrhoeae* subcultures will satisfy the laboratory reporting requirement for gonorrhea (WAC 246-101-201).

## SPECIMEN STORAGE AND TRANSPORTATION

When submitting specimens to the public health laboratory, please complete a test order form and send with the specimen to the Public Health – Seattle & King County Laboratory located in the Basement of the West Clinic at Harborview Medical Center (325 9th Avenue, Room BWC03, Box 359973, Seattle, WA 98104-2499) or to a health department specimen pickup station.

Refrigerate all specimens except gonorrhea cultures, trichomonas cultures, meningococcus cultures, and chancroid cultures until they are delivered to the public health laboratory or to a health department specimen pickup station. Gonorrhea cultures are to be kept in a 35-37°C incubator with 3-10% CO<sub>2</sub> and increased humidity overnight before they are delivered to the public health laboratory or to a health department specimen pickup station. Trichomonas cultures are to be kept at room temperature and delivered to the public health laboratory the same day or kept in a 37°C incubator overnight before they are delivered to the public health laboratory or to a health department specimen pickup station. Most supplies and containers are available at the public health laboratory and at health department specimen pickup stations.

The addresses of the health department specimen pickup stations and approximate specimen pickup times are listed on page 7 of this informational bulletin.

For further information, contact the public health laboratory at (206) 731-8950 or by FAX at (206) 731-8963, or go to [www.metrokc.gov/health/lab](http://www.metrokc.gov/health/lab).

## MICROBIOLOGY

Acid fast bacillus, smear only	Specimen: Early morning sputum, midstream urine, or other body fluid specimen in sterile screw-capped container Performed: M – F, results same day
Botulism	Specimen: Phone Epidemiology Section, (206) 296-4774
Brucella, confirmation	Specimen: Culture on isolation medium Performed: Sent to State Lab
<i>Chlamydia trachomatis</i> by APTIMA	Specimen: Endocervical or male urethral swab specimen in APTIMA swab transport tube, or 2 mL of first 20-30 mL of voided urine in APTIMA urine transport tube Performed: M, T, Th, F, results in 1 – 2 days
Cholera, confirmation	Specimen: Culture on isolation medium Performed: Sent to State Lab
Culture, Acid fast bacillus with smear. Includes DNA probe identification of isolates.	Specimen: Early morning sputum, midstream urine, or other body fluid specimen in sterile screw-capped container. Three specimens collected on successive days is recommended. Performed: M – F, smear results same day, culture results in 1 – 8 weeks
Culture, Gonorrhea	Specimen: Order kits from the laboratory, (206) 731-8950 Performed: M – F, results next day

Culture, Group A streptococcus	Specimen: Throat swab in CultureSwab Performed: M – F, results next day
Culture, Group B streptococcus	Specimen: Vaginal and rectal swab in CultureSwab. Screening all pregnant women between 35 and 37 weeks' gestation is recommended. Performed: M – F, results in 1 – 2 days
Culture, <i>Haemophilus ducreyi</i>	Specimen: Order kits from the laboratory, (206) 731-8950 Performed: M – F, results in 2 – 9 days
Culture, Herpes simplex virus, shell vial	Specimen: Lesion swab in viral transport medium (use dacron swab on plastic or wire shaft) Performed: M – F, results next day
Culture, Pertussis with smear	Specimen: Nasopharyngeal swab in Regan-Lowe transport medium (use dacron swab on wire shaft) and smear on glass slide. Regan-Lowe transport medium, dacron swabs, and glass slides can be obtained from the laboratory, (206) 731-8950 Performed: M – F, smear results same day, culture results in 4 – 12 days
Culture, Respiratory virus, shell vial (adenovirus, influenza, parainfluenza, respiratory syncytial virus)	Specimen: Nasopharyngeal aspirate, nasopharyngeal swab, lower nasal swab, or throat swab in viral transport medium (use dacron swab on plastic or wire shaft) Performed: M – F, results in 2 – 3 days
Culture, Stool (Salmonella, Shigella, Campylobacter, <i>E. coli</i> O157:H7)	Specimen: Feces in Enteric Pathogen Transport vial Performed: M – F, results in 3 – 5 days
Culture, <i>Trichomonas vaginalis</i>	Specimen: Order kits from the laboratory, (206) 731-8950 Performed: M – F, results in 1 – 3 days.
Culture, Virus (adenovirus, cytomegalovirus, enterovirus, herpes simplex, influenza, parainfluenza, respiratory syncytial, varicella zoster)	Specimen: Swab specimen in viral transport medium (use dacron swab on plastic or wire shaft) or urine, stool, cerebrospinal fluid, etc. in sterile screw-capped container Performed: M – F, results 1 – 14 days
Cyclospora, confirmation	Specimen: Feces in 10% Formalin vial Performed: M – F, results next day
Diphtheria, confirmation	Specimen: Culture on isolation medium Performed: Sent to State Lab
Disease of suspected bioterrorism origin	Specimen: Phone Epidemiology Section, (206) 296-4774

Enterohemorrhagic <i>Escherichia coli</i> (includes <i>E. coli</i> O157:H7), confirmation	Specimen: Culture on isolation medium Performed: M – F, results in 1 – 3 days
Food bacteriology	Specimen: Phone Epidemiology Section, (206) 296-4774
Gonorrhea, confirmation	Specimen: Culture on isolation medium Performed: M – F, results next day
Influenza virus antigen (influenza A, influenza B)	Specimen: Nasopharyngeal aspirate, nasopharyngeal swab, lower nasal swab, or throat swab in viral transport medium (use dacron swab on plastic or wire shaft) Performed: M – F, results same day
Meningococcal disease, confirmation	Specimen: Culture on isolation medium Performed: M – F, results in 1 – 3 days
Modified acid-fast stain ( <i>Cryptosporidium</i> spp. <i>Cyclospora</i> <i>cayetanensis</i> , <i>Isospora belli</i> )	Specimen: Feces in 10% Formalin vial Performed: M – F, results next day
<i>Neisseria gonorrhoeae</i> by APTIMA	Specimen: Endocervical or male urethral swab specimen in APTIMA swab transport tube, or 2 mL of first 20-30 mL of voided urine in APTIMA urine transport tube Performed: M, T, Th, F, results in 1 – 2 days
Ova and parasites examination	Specimen: Feces in 10% Formalin vial. Three specimens collected every other day is recommended. Performed: M – F, results same day
Pinworm examination	Specimen: Order kits with adhesive paddle from the laboratory, (206) 731-8950 Performed: M – F, results same day
Plague, confirmation	Specimen: Culture on isolation medium Performed: Sent to State Lab
Rabies	Specimen: Phone Epidemiology Section, (206) 296-4774
Respiratory syncytial virus antigen	Specimen: Nasopharyngeal aspirate or nasopharyngeal swab in viral transport medium (use dacron swab on wire shaft) Performed: M – F, results same day
Salmonella, confirmation	Specimen: Culture on isolation medium Performed: M – F, results in 1 – 3 days
Shigella, confirmation	Specimen: Culture on isolation medium Performed: M – F, results in 1 – 3 days
Tuberculosis, confirmation	Specimen: Culture on isolation medium Performed: Sent to State Lab

Tularemia, confirmation

Specimen: Culture on isolation medium  
Performed: Sent to State Lab

## SEROLOGY

Hepatitis A antibody, IgM  
(IgM anti-HAV), EIA

Specimen: 1 mL serum (red top)  
Performed: T, F, results same day

Hepatitis A antibody  
(anti-HAV), EIA

Specimen: 1 mL serum (red top)  
Performed: T, F, results same day

Hepatitis B surface antigen (HBsAg),  
EIA. Includes confirmation assay when  
EIA is repeatably reactive.

Specimen: 2 mL serum (red top)  
Performed: M, Th, results next day

Hepatitis B surface antibody  
(anti-HBs), EIA

Specimen: 1 mL serum (red top)  
Performed: M, Th, results next day

Hepatitis B core antibody, IgM  
(IgM anti-HBc), EIA

Specimen: 1 mL serum (red top)  
Performed: M, Th, results same day

Hepatitis B core antibody  
(anti-HBc), EIA

Specimen: 1 mL serum (red top)  
Performed: T, F, results same day

Hepatitis C antibody  
(anti-HCV), EIA

Specimen: 1 mL serum (red top)  
Performed: T, F, results same day

Herpes simplex type 1 antibody  
(gG1-specific), IgG, EIA

Specimen: 1 mL serum (red top)  
Performed: M, Th, results same day

Herpes simplex type 2 antibody,  
(gG2-specific), IgG, EIA

Specimen: 1 mL serum (red top)  
Performed: M, Th, results same day

HIV-1 antibody, EIA.  
Includes WB confirmation assay when  
EIA is repeatably reactive.

Specimen: 1 mL serum (red top)  
Performed: M – F, results next day

HIV-1 antibody, confirmation, WB.  
Includes EIA.

Specimen: 1 mL serum (red top)  
Performed: T, F, results same day

Measles antibody, IgM, confirmation

Specimen: 1 mL serum (red top)  
Performed: Sent to State Lab

Measles antibody, IgG,  
EIA

Specimen: 1 mL serum (red top)  
Performed: W, results same day

Mumps antibody, IgG,  
EIA

Specimen: 1 mL serum (red top)  
Performed: W, results same day

Rubella antibody, IgG, EIA

Specimen: 1 mL serum (red top)  
Performed: W, results same day

Syphilis, RPR, qualitative.  
If positive, includes RPR,  
quantitative, and TP-PA.

Specimen: 1 mL serum (red top)  
Performed: M – F, results same day

Syphilis, treponemal antibody,  
TP-PA

Specimen: 1 mL serum (red top)  
Performed: T, F, results same day

Syphilis, treponemal antibody,  
FTA-ABS, CSF

Specimen: 1 mL cerebrospinal fluid  
Performed: Th, results same day

Syphilis, confirmation, RPR,  
quantitative. If positive, includes  
TP-PA.

Specimen: 1 mL serum (red top)  
Performed: M – F, results same day

Syphilis, VDRL, CSF

Specimen: 1 mL cerebrospinal fluid  
Performed: M, Th, results same day

Varicella-zoster virus antibody, IgG,  
EIA

Specimen: 1 mL serum (red top)  
Performed: W, results same day

## ENVIRONMENTAL

Water, drinking, total coliforms  
and *E. coli*

Drinking water specimens will be accepted provided such specimens are in containers purchased at the public health laboratory or at public health centers and are received in the laboratory within 30 hours of collection.

Water, *E. coli*

Specimens collected from swimming pools, hot tubs, jacuzzis, spas, etc., will be accepted provided such specimens are in containers purchased at the public health laboratory or at public health centers and are received in the laboratory within 30 hours of collection.

Water, *Pseudomonas aeruginosa*

Specimens collected from swimming pools, hot tubs, jacuzzis, spas, etc., will be accepted provided such specimens are in containers purchased at the public health laboratory or at public health centers and are received in the laboratory within 30 hours of collection.

## TEST METHOD ABBREVIATIONS

EIA	= Enzyme Immunoassay
FTA-ABS	= Fluorescent Treponemal Antibody-Absorption
RPR	= Rapid Plasma Reagin card test
TP-PA	= <i>Treponema pallidum</i> particle agglutination
VDRL	= Venereal Disease Research Laboratory slide test
WB	= Western Blot

# PUBLIC HEALTH – SEATTLE & KING COUNTY LABORATORY

## SPECIMEN PICKUP AND DELIVERY SCHEDULE

January 1, 2006

<u>DISTRICT</u>	<u>ADDRESS</u>	<u>APPROXIMATE PICKUP TIME</u>
<u>North</u>		
North Public Health Center	10501 Meridian Ave N, Seattle	8:30 a.m.
*Northwest Hospital (2 <sup>nd</sup> Floor, Lab)	1550 N 115 <sup>th</sup> Street, Seattle	8:15 a.m.
State Laboratory	1610 NE 150 <sup>th</sup> Street, Shoreline	9:00 a.m.
<u>Central</u>		
Downtown Public Health Center	2124 4 <sup>th</sup> Ave, Seattle	9:40 a.m.
Public Health Laboratory, (Harborview Medical Center, Room BWC03)	325 9 <sup>th</sup> Ave., Seattle	8:00 a.m.- 5:00 p.m.
<u>Southwest</u>		
Federal Way Public Health Center	33431 13 <sup>th</sup> Pl S, Federal Way	9:30 a.m.
*Highline Community Hospital (5 <sup>th</sup> Floor Lab, next to Emergency)	16251 Sylvester Road SW, Burien	1:00 p.m.
White Center Public Health Center	10821 8 <sup>th</sup> Ave SW, Seattle	12:15 p.m.
<u>Southeast</u>		
*Auburn Regional Medical Center (2 <sup>nd</sup> Floor, Lab)	Plaza One 202 N Division St, Auburn	10:00 a.m.
Auburn Public Health Center	20 Auburn Ave, Auburn	10:30 a.m.
Columbia Health Center	4400 37 <sup>th</sup> Ave S, Seattle	8:15 a.m.
Group Health Laboratory	12400 E Marginal Way S, Tukwila	2:00 p.m.
Kent Public Health Center	613 West Gowe Street, Kent	12:30 p.m.
Renton Public Health Center	3001 NE 4 <sup>th</sup> Street, Renton	1:30 p.m.
*Valley Medical Center (2 <sup>nd</sup> Floor, Lab)	400 S 43 <sup>rd</sup> Street, Renton	1:45 p.m.
<u>East</u>		
Eastgate Public Health Center	14350 SE Eastgate Way, Bellevue	10:15 a.m.
*Evergreen Hospital Medical Center (1 <sup>st</sup> Floor, Lab)	12040 NE 128 <sup>th</sup> St, Kirkland	9:45 a.m.
Northshore Public Health Center	10808 NE 145 <sup>th</sup> St, Bothell	9:30 a.m.
*Overlake Hosp. Medical Center (1 <sup>st</sup> Floor, Lab)	1035 116 <sup>th</sup> Ave NE, Bellevue	10:00 a.m.

\*Accessible 24 hours per day

PUBLIC HEALTH – SEATTLE & KING COUNTY LABORATORY

FEES

January 1, 2006

MICROBIOLOGY

FEES

Acid fast bacillus, smear only	\$14.00
Botulism [obtain prior approval from Epidemiology Section, (206) 296-4774]	No charge
Brucella, confirmation	No charge
<i>Chlamydia trachomatis</i> by APTIMA	23.00
Cholera, confirmation	No charge
Culture, Acid fast bacillus with smear	26.00
Culture, Gonorrhea	8.00
Culture, Group A streptococcus	8.00
Culture, Group B streptococcus	8.00
Culture, <i>Haemophilus ducreyi</i>	8.00
Culture, Herpes simplex virus	30.00
Culture, Pertussis with smear	22.00
Culture, Respiratory Virus	30.00
Culture, Stool	33.00
Culture, Trichomonas	8.00
Culture, Virus	30.00
Cyclospora, confirmation	No charge
Diphtheria, confirmation	No charge
Disease of suspected bioterrorism origin [obtain prior approval from Epidemiology Section, (206) 296-4774]	No charge
Enterohemorrhagic <i>Escherichia coli</i> , confirmation	No charge
Food bacteriology [obtain prior approval from Epidemiology Section, (206) 296-4774]	No charge
Gonorrhea, confirmation	No charge
Influenza virus antigen	28.00
Meningococcal disease, confirmation	No charge
Modified acid-fast stain	14.00
<i>Neisseria gonorrhoeae</i> by APTIMA	23.00
Ova and parasites examination	10.00
Pinworm examination	5.00
Plague, confirmation	No charge
Rabies [obtain prior approval from Epidemiology Section, (206) 296-4774]	No charge
Respiratory syncytial virus antigen	14.00
Salmonella, confirmation	No charge
Shigella, confirmation	No charge
Tuberculosis, confirmation	No charge
Tularemia, confirmation	No charge

## SEROLOGY

## FEES

Hepatitis A antibody, IgM (IgM anti-HAV)	13.00
Hepatitis A antibody (anti-HAV)	14.00
Hepatitis B surface antigen (HBsAg)	12.00
Hepatitis B surface antibody (anti-HBs)	12.00
Hepatitis B core antibody, IgM (IgM anti-HBc)	13.00
Hepatitis B core antibody (anti-HBc)	14.00
Hepatitis C antibody (anti-HCV)	16.00
Herpes simplex type 1 antibody, IgG	15.00
Herpes simplex type 2 antibody, IgG	22.00
HIV-1 antibody, EIA (includes WB when EIA is repeatably reactive)	10.00
HIV-1 antibody, confirmation, WB (includes EIA)	32.00
Measles antibody, IgM, confirmation	No charge
Measles antibody, IgG	15.00
Mumps antibody, IgG	15.00
Rubella antibody, IgG	15.00
Syphilis, RPR (if positive, includes TP-PA)	5.00
Syphilis, treponemal antibody, TP-PA	15.00
Syphilis, treponemal antibody, FTA-ABS, CSF	15.00
Syphilis, confirmation, RPR (if positive, includes TP-PA)	No charge
Syphilis, VDRL, CSF	5.00
Varicella-zoster virus antibody, IgG	15.00

## ENVIRONMENTAL

Water, drinking, for total coliforms and <i>E. coli</i> (purchase kits at public health laboratory or public health centers)	15.00
Water from swimming pools, hot tubs, jacuzzis, etc., for <i>E. coli</i> (purchase kits at public health laboratory or public health centers)	15.00
Water from swimming pools, hot tubs, jacuzzis, etc., for <i>P. aeruginosa</i> (purchase kits at public health laboratory or public health centers)	15.00